



DECLARATION AND POWER OF ATTORNEY

I, the below named inventor, hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first, and sole inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled **SENSOR FOR MEASURING A GAS CONCENTRATION OR ION CONCENTRATION**, the specification which was filed with the United States Patent and Trademark Office on November 21, 2003 as Serial No. 10/719,648.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I acknowledge the duty to disclose information which is material to patentability in accordance with Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate filed by me on the same subject matter having a filing date before that of the application on which priority is claimed: German Patent Application No. 102 54 523.5 filed November 22, 2002.

I hereby declare that all statements are made hereby of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

And I hereby appoint:

Maurice E. Gauthier	-	Reg. No. 20,798
Richard L. Stevens	-	Reg. No. 24,445
Matthew E. Connors	-	Reg. No. 33,298
William E. Hilton	-	Reg. No. 35,192
Patrick J. O'Shea	-	Reg. No. 35,305
Arlene J. Powers	-	Reg. No. 35,985
Richard L. Stevens, Jr.	-	Reg. No. 44,357
Peter Stecher	-	Reg. No. 47,259

all of the firm of Samuels, Gauthier & Stevens, my attorneys with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

I request that all correspondence be directed to:

Patrick J. O'Shea, Esq.
Samuels, Gauthier & Stevens, LLP
225 Franklin Street, Suite 3300
Boston, MA 02110

 19.12.2003
Heinz-Peter Frerichs Date

Residence: Peter Thumb Weg 14
79271 St. Peter
Germany

Citizenship German

Post Office Address: Same as above